High-Mu Triode—Power Pentode

Electrical: Heater Characteristics and Ratings: Voltage (AC or DC) 6.3 ± 0.6 volts Current at heater volts = 6.3 0.780 Peak heater-cathode voltage. 100 volts Direct Interelectrode Capacitances: Triode Unit: Grid to plate. 4.0 Input: G_T to (K_T, H) . Output: P_T to (K_T, H) . 2.7 pf 4.0 pf 0.1 max. pf Pentode Unit: Grid No.1 to plate 0.3 max. Input: G1p to (KP+G3P+IS, G2P, H) . . Output: Pp to (KP+G3P+IS, G2P, H) . . 9.3 8.0 pf Grid-No.1 to heater....... 0.3 max. рf Triode plate to pentode grid No.1. . . . 0.02 max. Triode grid to pentode plate 0.02 max. pf Triode grid to pentode grid No.1 0.025 max. pf Triode plate to pentode plate. 0.25 max. Mechanical: Operating Position Any Type of Cathodes Coated Unipotential Length, Base Seat to Bulb Top (Excluding tip). 2-7/16" ± 3/32" Basing Designation for BOTTOM VIEW 9EX Pin 1 - Triode Grid Pin 2 - Pentode Cathode, Grid No.3, Internal Shield Pin 3 - Pentode Grid No.1 Pin 4 - Heater Pin 5-Heater Pin 6 - Pentode Plate Pin 7 - Pentode Grid No.2 Pin 8 - Triode Cathode Pin 9-Triode Plate

6BM8/ECL82

CLASS A AMPLIFIER

Characteristics:			
	Triode	Pentode	
Plate Voltage. Grid-No.2 Voltage. Grid-No.1 Voltage. Grid-No.1 Voltage (RMS). Amplification Factor Plate Resistance (Approx.) Transconductance Plate Current. Zero-Signal Grid-No.2 Current. Load Resistance. Total Harmonic Distortion. MaxSignal Power Output	Unit 100 - 0 - 70 - 2500 3.5 - -	Unit 200 200 -16 6.6 9.5 20000 6400 35 7 5600 10 3.5	ohms µmhos
Maximum Ratings, Design-Center Values:			
Plate Supply Voltage	. 300	900 600 550 300 1.8 c	volts volts volts volts watts watts
Maximum Circuit Values:			
Grid-No.1-Circuit Resistance: For fixed-bias operation For cathode-bias operation Between heater and cathode	. 2	1 2 0.02	megohm megohms megohm

a Grid No. 2 to grid No. 1.

b Zero-signal plate current.

At plate voltage less than 250 volts, maximum plate dissipation is 7 watts; at plate voltage greater than 250 volts, maximum plate dissipation is 5 watts.